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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/578,155	05/23/2000	Michael R. Krause	10991833-1	4285
	7590 04/09/200 CKARD COMPANY	EXAMINER		
	00, 3404 E. HARMON	REILLY, SEAN M		
INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			ART UNIT	PAPER NUMBER
			2153	
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
2 MOI	NTHS	04/09/2007	PAPER	

## Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed in the provisions of the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed in the provision of 37 CFR 1.136(a). In no event, however, may a reply be timely filed in the provision of the provision of 37 CFR 1.136(a). In no event, however, may a reply be timely filed in the provision of 37 CFR 1.136(a). In no event, however, may a reply be timely filed in the provision of		Application No.	Applicant(s)				
Sean Relily   2153		09/578,155	KRAUSE ET AL.				
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available used the provisions of 3 CPR 1.1360, in on event, however, may reply be trimby filed  1 NO period for reply is appelled above, the maximum statutory pariod vill apply and will express X(8) MONTHS from the mailing date of this communication.  1 Pallive to reply is specified above, the maximum statutory pariod vill apply and vill express X(8) MONTHS from the mailing date of this communication.  1 Pallive to reply within the side or dended period for reply is appelled above, the maximum statutory pariod vill apply and vill express X(8) MONTHS from the mailing date of this communication.  1 Pallive to repen with pallivers.  1 Pallive to repen ABADONOSE (05 US 2.5; 133).  Any period for reply is appelled above, the maximum statutory pariod vill apply and vill express X(8) MONTHS from the mailing date of this communication.  2 Palliver to repen ABADONOSE (05 US 2.6; 133).  Any period for reply is application is the time mailing date of this communication.  2 Pallive to repen ABADONOSE (05 US 2.6; 13.7).  3 Pallive to repen ABADONOSE (05 US 2.6; 13.7).  3 Pallive to repen ABADONOSE (05 US 2.6; 13.7).  3 Pallive to repen ABADONOSE (05 US 2.6; 2.6; 2.6).  3 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  4 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  4 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  5 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  5 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  5 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  5 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  5 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  6 Pallive to repen ABADONOSE (05 US 2.6; 2.6).  7 Pallive to repen ABADONOSE (05 US 2.6).  7 Pallive to repen ABADONOSE (05 US 2.6).  8 Pallive to repen ABADONOSE (05 US 2.6).  8 Pallive t	Office Action Summary	Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  ■ Extensions of three may be available under the provisions of 31 CFR 1.136(a). In one week, however, may a reply be timely filed.  ■ Extensions of three may be available under the provisions of 31 CFR 1.136(a). In one week, however, may a reply be timely filed.  ■ Extensions of three may be available under the provisions of 31 CFR 1.136(a). In one week, however, may a reply be timely filed.  ■ If NO period for reply is specified above, the maximum station pyland and large years (16) MONTHS from the mailing date of this communication.  Failure to reply within the set or extended penies for reply will, by status.  ■ Pallure to reply within the set or extended penies for reply will, by status.  ■ Pallure to reply within the set or extended penies for reply will, by status.  ■ Pallure to reply within the set or extended penies for reply will, by status.  ■ Pallure to reply within the set or extended penies for reply will be application.  ■ Pallure to reply within the set or extended penies will be applicated to become ARANDONED (\$5 (3) 33). Any reply received by the Status.  ■ Pallure to reply within the set or extended penies will be applicated to this communication.  ■ Pallure to reply within the set or extended penies will be applicated to the communication.  ■ Pallure to reply within the set or extended penies will be applicated to the communication.  ■ Pallure to reply within the set or extended penies will be applicated to the communication.  ■ Pallure to reply within the set or extended penies will be applicated to the communication.  ■ Pallure to reply within the set or extended penies will be applicated to the communication.  ■ Pallure to reply within the set or extended penies will be applicated to the replicated to the communication.  ■ Pallure to reply within the set or extended penies will be applicated to the set of the set of the set of the set o		l					
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1)⊠ Responsive to communication(s) filed on 19 January 2007. 2a)□ This action is FINAL. 2b)□ This action is non-final. 3)⊠ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims 4)□ Claim(s) 1-48 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5)□ Claim(s) 1-48 is/are allowed. 6)□ Claim(s) 1-48 is/are allowed. 6)□ Claim(s) is/are objected to. 8)□ Claim(s) is/are objected to. 8)□ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)☒ The specification is objected to by the Examiner. 10)□ The drawing(s) filed on is/are: a)□ accepted or b)□ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)□ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12)□ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)□ All b)□ Some * ○□ None of: 1.□ Certified copies of the priority documents have been received in Application No 3.□ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.	WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any						
2a) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-48 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-48 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some color the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.  Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SBi08) 5) Notice of Informal Patent Application	Status						
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4a) Of the above claim(s) is/are withdrawn from consideration.  5) \[ \begin{align*} \begin{align*} \left( \text{alim(s) } \left( \text{-48} \) is/are allowed.  6) \[ \begin{align*} \begin{align*} \left( \text{alim(s) } \left( \text{-148} \) is/are objected to.  8) \[ \begin{align*} \begin{align*} \left( \text{alim(s) } \left( \text{-148} \) is/are objected to.  8) \[ \begin{align*} \begin{align*} \left( \text{alim(s) } \left( \text{-148} \) is/are objected to by the Examiner.  4) \[ \begin{align*} \begin{align*} \left( \text{alim(s) } \left( \text{-184} \) is/are: a) \[ \begin{align*} \left( \text{alim(s) } \left( \text{-184} \) is/are: a) \[ \begin{align*} \left( \text{alim(s) } \left( \text{-184} \) is/are: a) \[ \begin{align*} \left( \text{alim(s) } \) is objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) \[ \begin{align*} \text{The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. \( \frac{s}{119} \)  12) \[ \begin{align*} \text{Acknowledgment is made of a claim for foreign priority under 35 U.S.C. \( \frac{s}{119}(a) \)-(d) or (f).  a) \[ \begin{align*} \text{Alim(s) } \\ \text{3} \]   \[ \begin{align*} \text{Certified copies of the priority documents have been received.} \]  2. \[ \begin{align*} \text{Certified copies of the priority documents have been received in Application No. \[ \begin{align*} \text{2} \\ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  **Attachment(s)    \text{Plotation Points by Diatisperson's Patent Drawing Review (PTO-948)    \text{Plotation Points person's Patent Drawing Rev	Disposition of Claims						
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11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Notice of Informal Patent Application	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
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### Quayle Action

This Quayle action is response to the amendments filed on January 19, 2007. Claims 1-48 are allowed in view of the reasons below. Applicant is requested to contact the Examiner at his or her earliest convenience so that appropriate language can be crafted to address the objection below without raising new matter issues. The language can be added by Examiner's amendment if Applicant wishes. This application is in condition for allowance except for the following formal matters outlined in the objection to the specification below.

## Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Clear support or antecedent basis is not found in the specification for all of the claimed subject matter. In particular the specification fails to provide clear support or antecedent basis for the newly added limitation requiring the reliable datagram service to be connectionless from the perspective of the AIs. Support certainly does exist in the specification for this limitation (see inter alia, Applicant's specification pg 9, lines 3-21) however this support is not entirely clear. Appropriate correction is required.

#### Allowable Subject Matter

#### Claims 1-48, as filed on January 19, 2007, are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record failed to disclose a reliable datagram service that provides communications between one

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application interface and multiple application interfaces (or vice versa) wherein the service is connectionless from perspective of the AIs and multiple application interfaces can utilize a particular SDR resource. Such a scheme is contrary to known systems where the application interface is typically aware of the connection (e.g. the widely known TCP/IP protocol) or other systems where the application interface is not aware of a connection however reliable service is not provided (e.g. traditional datagram multicasting). Furthermore the prior systems typically requiring a one to one application interface connection scheme in order to provide reliable datagram service, as opposed to the claimed invention where many application interfaces may communicate reliably over a single connection.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sean Reilly whose telephone number is 571-272-4228. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

March 29, 2007

GLENTON & BURGESS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100